**Requirements**

* Anaconda3

**Setting**

* Open environment.yml
* Customize name (first row) and prefix(last row) based on your preference and anaconda installation path
* Run command: conda env create environment.yml
* Download the model weights from https://drive.google.com/drive/folders/1ptjh3uOtRFbzLtVJr6FXpJNq3lJlGAkR?usp=sharing

**Usage**:

* python demo.py

**Limitation**:

* In order to simplify UI, program assumes there is single user is present in camera view

**Libraries**

* face detection from opencv
* face landmark detection from mediapipe
* emotion recognition code and model from <https://github.com/serengil/deepface>
  + uses tensorflow
* Hand gesture recognition from <https://github.com/MahmudulAlam/Unified-Gesture-and-Fingertip-Detection>
* Other common libs such as numpy and h5py
* PySimpleGUI